

FIG. 1

Patent Application for: TRANSFER TAPE
 Inventor(s): Masaru YAMASHITA
 Attorney Docket No. 12401/5 and Serial No. To Be Assigned

Properties of evaluated samples	Amount of particles (parts by weight)	Working Example 1		Working Example 2		Working Example 3		Working Example 4		Working Example 5		Working Example 6		Comparative Example 1		Comparative Example 2	
		Needle-like	Wollastonite	Needle-like	Wollastonite	Needle-like	Wollastonite	Needle-like	Wollastonite	Needle-like	Wollastonite	Needle-like	Wollastonite	Needle-like	Silica	Spherical	Spherical
Material for particles	Wollastonite	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Particle hardness (Mohs hardness)		4	8	13	12	20	20	40	40	40	40	40	40	40	40	40	40
Average grain size (μm)		12	40	78	264	360	640	10	10	10	10	10	10	10	10	10	10
Average particle length (μm)		2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Particle content (wt.%)		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Coating thickness (μm)		5	5	5	5	5	5	4	4	3	5	5	5	5	5	5	5
Evaluation results		2	3	4	4	4	4	4	4	4	1	1	1	1	1	1	1
Ease of cutting Test A		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Adhesive strength		$\Delta(12)$	$\bigcirc(13)$	$\bigcirc(14)$	$\bigcirc(14)$	$\bigcirc(14)$	$\bigcirc(13)$	$\Delta(12)$	$\bigcirc(11)$	$\bigcirc(11)$	$\Delta(12)$	$\bigcirc(11)$	$\bigcirc(11)$	$\times(9)$	$\times(9)$	$\times(9)$	$\times(9)$
Overall evaluation		\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\times	\times	\times	\times
Parameters		\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times
Parameter 1		\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times
Parameter 2		\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times	\times
Parameter 3		\times	\times	$\Delta(\text{lower})$	\bigcirc	\bigcirc	\bigcirc	$\Delta(\text{upper})$	\times	\times	\times	\times	\times	\times	\times	\times	\times
Parameter 4		\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\times	\times	\times	\times

FIG. 2

Patent Application for: **TRANSFER TAPE**
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Properties of evaluated samples	Amount of particles (parts by weight)	Working Example 4	Working Example 7	Working Example 8	Working Example 9	Working Example 10	Working Example 11
		1.0	1.0	0.3	0.5	0.4	1.7
Shape of particles	Needle-like	Needle-like	Needle-like	Glass	Glass	Needle-like	Needle-like
Material for particles	Wollastonite	Glass	Glass	Glass	Glass	Glass	Glass
Particle hardness (Mohs hardness)	4.5	6.5	6.5	6.5	6.5	6.5	6.5
Average grain size (μm)	12	10	10	10	10	10	10
Average particle length (μm)	264	348	348	348	348	348	348
Particle content (wt. %)	2.2	2.2	0.7	1.1	3.0	3.0	3.6
Coating thickness (μm)	20	20	20	20	20	20	20
Evaluation results							
Ease of coating	5	5	5	5	5	5	5
Ease of cutting Test B	2	5	3	4	5	5	5
Adhesive strength	5	5	5	5	4	4	3
Overall evaluation	\triangle (12)	\odot (15)	\odot (13)	\odot (14)	\odot (14)	\odot (13)	
Parameters							
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Parameter 2	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Parameter 3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
Parameter 4	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	\triangle (lower)	\triangle (upper)	<input checked="" type="radio"/>	